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 <213> Homo sapiens

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<210> 7102
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<210> 7103

<211> 638

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 727

<212> DNA

<213> Homo sapiens

<400> 7105

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<210> 7106

<211> 637

<212> DNA

<213> Homo sapiens

<400> 7106

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<210> 7107

<211> 638

<212> DNA

<213> Homo sapiens

<400> 7107

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<210> 7108

<211> 726

<212> DNA

<213> Homo sapiens

<400> 7108

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<212> DNA

<213> Homo sapiens

<400> 7109

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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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 <213> Homo sapiens

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<400> 7171

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<212> DNA

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<212> DNA

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 <212> DNA
 <213> Homo sapiens

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<400> 7201

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<212> DNA

<213> Homo sapiens

<400> 7202

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 <213> Homo sapiens

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<211> 1326

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 429

<212> DNA

<213> Homo sapiens

<400> 7223

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 <212> DNA
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<212> DNA

<213> Homo sapiens

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<210> 7239

<211> 663

<212> DNA

<213> Homo sapiens

<400> 7239

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<210> 7240

<211> 3374

<212> DNA

<213> Homo sapiens

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<211> 496
<212> DNA
<213> Homo sapiens
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[illegible]

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<211> 373
<212> DNA
<213> Homo sapiens
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<210> 7243
<211> 496
<212> DNA
<213> Homo sapiens
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<211> 760
<212> DNA
<213> Homo sapiens
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<211> 310
<212> DNA
<213> Homo sapiens
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<400> 7245
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tgcaactctg  atggttggtt  catgaggtag  catctagaaa  cagcttgcac  attgcccagc  240
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ttctgagctc                                     310
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<210> 7246
 <211> 1522
 <212> DNA
 <213> Homo sapiens

<400> 7246
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<210> 7247
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<400> 7247
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<212> DNA
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<212> DNA

<213> Homo sapiens

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gcattattca	caatagccaa	aaggtggatg	taacacagtg	tccatcgatg	gatgaataga	360
taaacaaaat	ctggtatata	catgtgaaga	aatactattc	agccttaagg	aatgaaattt	420
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<210> 7381
 <211> 602
 <212> DNA
 <213> Homo sapiens

<400> 7381						
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gcctctcttc	cttagtgtct	cttaaacctt	tcagtcccat	tgcttcaagg	tgccatcatt	180
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tgcttcccc	atccccca	ctgtgtatag	aatgatctct	ctgaaaggca	ccctgcataa	300
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gcacacgtgt	cagctggaaa	ggggccggct	caggagacaa	aataggcacg	agaggaacc	300
gaaaattga	catacgtgac	tatccttgta	gaaatgtata	aaggtttgta	ttattttgtc	360
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<210> 7387
 <211> 448
 <212> DNA
 <213> Homo sapiens

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<210> 7388
 <211> 550
 <212> DNA
 <213> Homo sapiens

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<210> 7389
 <211> 550
 <212> DNA
 <213> Homo sapiens

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<211> 413
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 <213> Homo sapiens

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<210> 7391
 <211> 413
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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gaacctgaag	gtaglatgct	cctctggcct	tggtcttaata	tttgaggcca	ctctgccttc		240
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ccaaaataaa	taataatat	atttataaac	ataaatgtat	atgtctatgt	gtgtatgtat		420
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<210> 7393
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 <212> DNA
 <213> Homo sapiens

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ccaaaataaa	taataatat	atttataaac	ataaatgtat	atgtctatgt	gtgtatgtat		420
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<210> 7394
 <211> 1591
 <212> DNA
 <213> Homo sapiens

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 <211> 1591
 <212> DNA
 <213> Homo sapiens

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<211> 6540

<212> DNA

<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <212> DNA
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 <212> DNA
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<212> DNA
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<212> DNA
<213> Homo sapiens

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<212> DNA
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<210> 7427
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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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 <211> 304
 <212> DNA
 <213> Homo sapiens

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<210> 7457
 <211> 1423
 <212> DNA
 <213> Homo sapiens

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	gctccgggtg	cagcaacgcgc	ctgggacctc	tgctgtcccg	cgtaggggtg	ccctgcaaat	240
	atgtgatgaa	taagtgaaga	aatacgttct	atcttctaac	ttgccggatg	ttagaaggaa	300
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	tggtgtgagac	ggacaacagt	gttttttagaa	cctttggcaa	ggaagagctg	gaaagaacat	420
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<210> 7458
 <211> 1427
 <212> DNA
 <213> Homo sapiens

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<210> 7459
 <211> 982
 <212> DNA
 <213> Homo sapiens

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ttgtgcacct	ggatttgggg	tgtagaagcg	gggcaggagc	gttcaggagc	ctggggcgct	360
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<210> 7460
 <211> 640
 <212> DNA
 <213> Homo sapiens

<400> 7460

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gcaaatcacc	atgatcaggt	cagggttcagg	gtgggttttat	gtcatgatat	atgtcaggtgt	180
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<210> 7461
 <211> 640
 <212> DNA
 <213> Homo sapiens

<400> 7461

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cacagcattg	gcagagctgc	caccaagaag	aacacagcac	gttgaaggca	cggtggctcc	480
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<210> 7462
 <211> 707
 <212> DNA
 <213> Homo sapiens

<400> 7462

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ccagctactg	ggaaggtctaa	ggctggagga	tcttttgagc	ccaggatttt	gaagctgcac	660
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<210> 7463

<211> 906
<212> DNA
<213> Homo sapiens

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cattcatttc ctgggaaagc tagctttacca tacattcaag ttataaaaac aatttgccat 720
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<210> 7464
<211> 312
<212> DNA
<213> Homo sapiens

<400> 7464
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ttattgtgaa catcttttctt aattaatgaa tatattttat taagtgtcaa ttttttttta 240
aaggcaatag taggcaagat tcacagtgtta ttcaagtga gagtctcttt tcttaaatat 300
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<210> 7465
<211> 440
<212> DNA
<213> Homo sapiens

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gcagtggtag aaatttaaca ggggaatttt atccataact atcaatttca tactttacct 180
agataaccag aattatgtga ctgttttatt gaaagtaaca tgcgtttgat gacttgtttg 240
ttttttatt aagtttgcatt ctcaaatgat aatttaaatg ttttgttagt gaaagttagg 300
cagtgaccac acctttatat aactattatt accttgatta attgctacat tgtaaaagaa 360
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ccaattaaaa aaaaaaaaaa 440

<210> 7466
<211> 1572
<212> DNA
<213> Homo sapiens

<400> 7466
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<210> 7467
<211> 445
<212> DNA
<213> Homo sapiens
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c400> 7467						
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<211> 344
<212> DNA
<213> Homo sapiens
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taaaagtctg	taaaaaccaa	atgctttctt	aaataatatat	cgctgcatac	tgaaggcacc	180
tgaatatcat	agcctgaaaa	atactcacat	ttgggtatgg	aaataagaat	gtcaaatgac	240
taaatatact	tgcttgggca	gtttttataa	aggtcttaat	tattctcttg	tcttctgata	300
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<211> 4699
<212> DNA
<213> Homo sapiens
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<400> 7469						
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<212> DNA

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<213> Homo sapiens

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<212> DNA
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 <213> Homo sapiens

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<211> 1910

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 7641

<211> 319

<212> DNA

<213> Homo sapiens

<400> 7641

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cattctcccg	cctcagcctc	ccgagtagct	gggactacag	gcgcccgcca	ccacgcccg	180
ctaatttttt	gtattttttt	tagaggcggg	gtttcactgt	gttagccagg	atgggtctga	240
tctcctgacc	tcatgatccg	ccgcctctgc	cctcccaaa	tgctgggatt	acaggcggtga	300
gccaccgcgc	ccggccaaa					319

0950087-091201

<211> 252
<212> DNA
<213> Homo sapiens

<400> 7647
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agtagctctgc caccatgcc ggctaatttt ttggaatttt tagtagagat ggggtttcac 180
tgtgttagcc aggatgtgct cgtatctctg acctcgtgat cgcgccgct cggcctcccg 240
aagtgtctgg at 252

<210> 7648
<211> 155
<212> DNA
<213> Homo sapiens

<400> 7648
tgccgccaca cccggctaatt tttttgtat ttttagtaga gacagggttt cactgtgtta 60
gccaggatgg tctcgtatct ctgacctgt gatccgctg cctcggcct ccaaagtgt 120
gggatgacag gcgtgagcca ctgcgcccg cctca 155

<210> 7649
<211> 306
<212> DNA
<213> Homo sapiens

<400> 7649
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cctcctgagt agctgggact acaggcgct gccaccacgc ccagctaatt ttttgtattt 180
ttagttaga cggggtttca ccgtgttagc caggatggtc tcatctctct cactcgtgta 240
tccgcctgct tcggcctccc aaagtgtctg gattacaggc gtaagccact gtgcccagcc 300
ggaagg 306

<210> 7650
<211> 1575
<212> DNA
<213> Homo sapiens

<400> 7650
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cgctgttgcca ccacatccag ctaattttttg tttttttagt agagacgggg tttcagcctc 180
ttggccaggc tgggtcttgaa ctctcgacct cgtgatccac ccaccttggc ctcccaaatg 240
gctgggatta caggcatgaa tcaccatgcc cggacttttt tttttttctt ttttgagatg 300
gagtcctact gtgtcaccaca ggctggagtg cagtggtgctg atctcggctt actgcaactt 360
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cacaagccac gatgcccgac taattttttt ttttttttgt atttttagta gagacgggt 480
ttcactatgt tggccaggct agtcttgaa tctgacctc agaagatcca cccactctgg 540
cctcccaaat tctctgggatt acaggcgtag gccaccgtgc ctggactctt tgttgttttt 600
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attacagcaa gatggaataa ccaaattccc ctacctccaa atgtatcact tactggaaaa 1140
gaaaagttaa atctgaatac atgcgacttc gacaacttaa acggcttcag gcaaatatgg 1200
gtgcaaaagg aaaaaataat tcccaagtga aagtttatat atttcaatat actgacccag 1260
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accgcgctcg gccca 1575

```

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<210> 7651
<211> 279
<212> DNA
<213> Homo sapiens

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<400> 7651
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gagtagctgg gactacagcg gcccgccacc acgcccggct gattttttgt atttttagta 180
gagaaagggg ttccactgtg tagccaggat ggtctcgatc tctgacctc gtgatccgcc 240
cgctttggcc tcccaagtg ctgggattac aggcggggg 279

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<210> 7652
<211> 287
<212> DNA
<213> Homo sapiens

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<400> 7652
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agtggcgcca tctcggtcca ctgcaggctc agcctcccag attcaagcca ttctctgcc 120
tcagcctccc gactagctgg gactacaggt gcccgccacc acgcccggca aatttttttt 180
gtatttttag tagagacagg gtttcacctg gttaccagga tgggtctgat ctctcgacct 240
cgtgatccgc ctgcctcgcc ctcccaagtg gctaggatta caggcgt 287

```

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<210> 7653
<211> 296
<212> DNA
<213> Homo sapiens

```

```

<400> 7653
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ttctctgccc tcagcctccc gactagctgg gactacagcg gcccgctacc acgcccggct 180
aatttttttt gtatttttag tagagacagg gtttcacctg gttagccaga atgactctga 240
tctctgacc tcgtgatccg cccgctcag cctcccaag tgctgggatt acagggc 296

```

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<210> 7654
<211> 281
<212> DNA
<213> Homo sapiens

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<400> 7654
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tctagatgag ctgggactac aggcgcccc cccacacccc tgctaatttt ttgtattttt 180
agtatagatc gggtttctac gtgttagcca ggaaggcttc gatctctgta cctcgtgac 240
caccgcctc ggctcccaa agtgctggga ttacaggcgt g 281

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<210> 7655
<211> 296
<212> DNA
<213> Homo sapiens

<400> 7655
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gcgcaatcta ggctcactgt aagctctgcc tcccggttc atgccattct cctgcctcag      120
cctcccagat agctgggact acaggcacc accaccacac ccagctaatt ttttctattt      180
ttagtagaga cgggggtttca cgtgttagc caggatggtc ttgatctct gacctcgtga      240
tccgcctgcc ttggcctccc aaagtgtctg gattacaggc atgagccacc gcaccc      296

<210> 7656
<211> 134
<212> DNA
<213> Homo sapiens

<400> 7656
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agccaggatg gtctcgatct cctgacctcg tgatcgcct gccttggcct cccaagtgtc      120
tgggattaca ggcg      134

<210> 7657
<211> 254
<212> DNA
<213> Homo sapiens

<400> 7657
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ggactacggg cgcccgccac caccgcccgc taattttttg tatttttagc agagacgggg      180
tttcaactgt tttagccagg ttgtctcgac ctctgacct cgtgatctgc ccgcctcggc      240
ctccaaaagt gctg      254

<210> 7658
<211> 240
<212> DNA
<213> Homo sapiens

<400> 7658
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caactctcggc tcaactgcaag ctccgcctcc caggttcacg ccattctcct gccctcagcct      120
cccaagtatg tgggactaca ggcgcccgc accacgcctg gctaattttt ttgtattttt      180
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<210> 7659
<211> 236
<212> DNA
<213> Homo sapiens

<400> 7659
gtctcgtctc gttgccagg ctggagtgca gtgggtgcaat ctacagctcac tgcaagctcc      60
gcctctcggg ttcactgcat tcttctgcct cagcctcccg agtagctggg actacaggtg      120
cccgcacca caccggcta attttttcta ttttagtag agatgggggt tcaactgtgtt      180
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<210> 7660
 <211> 3905
 <212> DNA
 <213> Homo sapiens

<400> 7660

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gtgtggggcca	ccacgcccag	ctaatttttt	gtatttttag	tagagatgag	gtctcatcat	180
gttgccgagg	ctgggtctct	gacctgttaa	tcgcctgcgc	tcagcctccc	aaagtgttgg	240
aattacaggt	gtgagccacc	gcacccacct	gataactttt	cttgaaagcc	attccatcgt	300
gttattacta	aaagctgaaa	ccttagatag	aatactttac	attttctttt	tctcttecta	360
agccactctg	agttttgcct	ctcacacgag	agcagcaaaa	gcagtcacgt	tagaatcaga	420
agacctgagc	tggagtttag	ctctgtcact	cataagcgat	gtggtctcag	ggggccctgc	480
ccagcttccg	tgcacctcaa	cgactccacg	gaggggtgcc	ccttcacgat	gttgtgtgga	540
gatgaaatga	aatgacatag	atgaaagggc	ttagcacata	gtgggggctt	tccataaatg	600
ccagcttccg	tgcacctcaa	cgactccacg	ctgtcacacg	tcacctctac	actgcagctg	660
ctcccatctc	ttctctttgg	ctccgccttc	tccttgagct	ctggtaacct	gtctccacct	720
gtcaacttga	catctcccgc	cggcattctc	aattagacac	atgcaaaact	gacttaccat	780
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gcttgagctt	tgcaaatcca	tctttttcca	accagacttg	tcacatacaa	ccctgaacaa	1020
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attgttaaaa	gcagctactg	agaactggaa	aatttttcc	caaatttctt	tgcatagtat	1260
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ataatttgaa	aattttttaa	aaaagaaaa	gaaccaaggc	tgcttgata	cttttctct	2940
tgctcagagt	tttcttctct	ggctccagcc	tgcaatctgt	gcaggctcct	ctgcagcaact	3000
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acttctccca	gcacaccccc	tcctcgggca	ggtttataac	aagagcgcc	ccagggaggt	3120
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agcaggggcac caccgggggct tctgtgaaat tcaggggacc tcagctgagc cttctcttag 3240
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gtgag 3905

```

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<210> 7661
<211> 275
<212> DNA
<213> Homo sapiens

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<400> 7661
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atctgggctc actgcaagct ccgcctccca gcttcacacc attctctctc ctacgcctcc 120
cgagtatgtc ggactacagg tgcccgccac catgcccagc taattttttt tattttttgt 180
agagacgggg ttaccatg tttagccagg tgatctcgat ctctgacct cgtgatccac 240
ccgcctcagc ctcccaaggt gctgggatta caggc 275

```

```

<210> 7662
<211> 264
<212> DNA
<213> Homo sapiens

```

```

<400> 7662
tatttttttt agacagagtc tctctgtgtc tcccaggctg gagtgcgggt gcgccatctc 60
ggctcactgc aagctctggc tcccagggtc acgccattct cctgcctcag cctctctgagc 120
agctgggact acagggtccc accaccacgc ctggctagtt tttttgtatt ttttagtagag 180
acgggggttc actgtgttag ccaggatggt ctgatctccc tgacctcgtg atccgccacc 240
ctcggcctcc caaagtctgt gga 264

```

```

<210> 7663
<211> 163
<212> DNA
<213> Homo sapiens

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```

<400> 7663
gggattactg gcacatgccca ccacgtccag ctaatttttt tatttttagt agagacgggg 60
tttcaccgtg ttaggccagg tggctctgat ctccctgacct cgtgatccac ccgcctcggc 120
ctcccaaagt gctgggatta caggcatgaa ccaccatgcc cgg 163

```

```

<210> 7664
<211> 261
<212> DNA
<213> Homo sapiens

```

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<400> 7664
tctcgtcttg tgcgccagc tggattgcat taacgcaate tcggtcact gcaagctccg 60
cctcccaggt tcacgccatt ctcccgctc agcctcccta gtatgtggga atacaggcgc 120
ccgcaccat gcccggttaa ttttttgtat ttttagtaga gacgggggtt cactgtgtta 180

```

```
gccaggatgg tctagatctc ctgacctcat gatccgccc cctcgccctc ccaaagtgtc 240
gggattacag gcgtgaggca c 261
```

```
<210> 7665
<211> 282
<212> DNA
<213> Homo sapiens
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<400> 7665
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atctcggctc actgcaagct cgcctccttg ggttcacgcc attctcctgc ctcagcctcc 120
cgagtagctg ggactacagg caccacccac cacaccctgc taattttttt ttgtattttt 180
agttagatgt gggtttcacc gtgttagcca ggatggtctc gatctcctga cctcatgatc 240
cgctcgctct ggccctccaa agtgctggga ttacaggttt aa 282
```

```
<210> 7666
<211> 297
<212> DNA
<213> Homo sapiens
```

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<400> 7666
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gtggcccgat ctgcgctcac tgcaagctcc acctcccggt ttcacaccat tctcctgcct 120
cggcctcccg agtagctggg actacaggca ccgccacca cgcccggtta attttttgta 180
tttttagtag agacagggtt tcaccgtgtt agccaggatg gtctcgatct cctgacctca 240
tgatccgccc ggcttggcct cccaaagtgc tgggattaca ggctgtagcc accgcac 297
```

```
<210> 7667
<211> 277
<212> DNA
<213> Homo sapiens
```

```
<400> 7667
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gtggcgccat ctgcgctcac tgcaagctcc gcctccagg ttcacgccat tctccttgcc 120
tcagcctccg gactagctgg gactacaggt gccgccact acgccgggt aatttttttg 180
tatttttagt agagacgggg ttaccacgtg tttagcagga tgggttccat ctctctgacct 240
cgtgatccgc ccgtctcggc ctcccaaagt gacttat 277
```

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<210> 7668
<211> 273
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> SITE
<222> (256)
<223> n equals a,t,g, or c
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```
<400> 7668
ctgcacattt tttttttttt ttttgagaca agagtcttgc tctgtcgccc aggctgaagt 60
gcggtggcgc gatctcctct cactgcaagc tcgcctcccg gggctcacgc cattctcctg 120
cctcagcctc ccgagtagct gggactacag gcgcccgcga ccacgcgcgc ctaatttttt 180
tgtattttta gttagagacgg ggtttcaccc tgtttgccag gatggtctcg atctcctgac 240
ctcgtgatcc gcccgctcgc gcctcccaaa aga 273
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<210> 7669
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 7669
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 ctggagtgcga gtggcgcat ctccgctcac tgcaagctcc gcctcccggg ttcaagccat 120
 tctctcgctc cagcctcccg agtagctggg actacaggcg cccgctacca cgcctggcta 180
 attttttgta ttttttagtag agacgggggt tcaccgtgtt agccagaatg gtctcgatct 240
 cctgacctcg tgatccgcc gcctcggcct cccaaagtg 279

<210> 7670
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 7670
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<211> 197

<212> DNA

<213> Homo sapiens

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<211> 437

<212> DNA

<213> Homo sapiens

<400> 7746

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<211> 480

<212> DNA

<213> Homo sapiens

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<211> 997

<212> DNA

<213> Homo sapiens

<400> 7748

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<211> 793

<212> DNA

<213> Homo sapiens

<400> 7749

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<211> 994

<212> DNA

<213> Homo sapiens

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<212> DNA
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<211> 529
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<213> Homo sapiens

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<212> DNA
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<212> DNA
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taaaaaatac aaaaaattagc cgggcggtggt ggcggggcgcc tgtagtccca gctactcggg 180
aggctgaggc gggagaatgg cgtgaacccg ggaggcgagg ctgtcagtga gccgagatcg 240
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tctactaaaa atacaaaaaaa tttagccgggc gtggtagcgg gcgcctgtag tccagctac 180
tcggggaggtc gaggcaggag aatggcgtga acctggcagg cgagagcttgc agtgagccga 240
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<213> Homo sapiens

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accgcccttc tactaaaaat acaaaaaatt agcggggcgt agtggcgggc gcctgtatgc 180
ccagccactt gggagcgtga gcaggagaaa tggcgtgaac ccgggaggcg gagcttgagc 240
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gcctgtagtc	ccagctactc	gggaggctga	ggcaggagaa	tggcgtgaac	ccgggaggcg		180
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acaaaaaatt	agccggggcgt	agtggcgggc	acctgtagtc	ccagctactt	gggaggctga		180
ggcaggagaa	tggcgtgaac	ccgggaggcg	gagcttgtag	tgagccgaga	tccgcgcact		240
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aaattagcgc	ggcgtagtgg	cgggcgccctg	tggctcccagc	tacttgggaa	gctgaggcag		180
gagaatggcg	tgaacccggg	aggcggagct	tgcaagtggc	cgagatcccg	ccactgcact		240
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agctacttgg	gaggctgagg	caggagaatg	gcgtgaaccc	gggaggcgga	gcttcgagtg		240
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316

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<212> DNA

<213> Homo sapiens

<400> 7806

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<212> DNA

<213> Homo sapiens

<400> 7807

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gaatggcatg	aacccgggag	gtgcagcttg	cagtggagcag	agatctcgcc	actgcactcc	240
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<211> 170

<212> DNA

<213> Homo sapiens

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caaaaaaatt	agccaggcgt	ggtggctggc	gcctgtagtc	ccagctactc	gggaggctga	180
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 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<400> 7813						
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<210> 7814
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 7814						
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caggagaaatg	cggtgaaccc	gggaggcgga	gcttgcagt	agccgagatc	cgccactgc	240
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<210> 7820
 <211> 235
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

<400> 7821						
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ggagcttgca	gtgagccgag	atggcgccac	tgccactccag	cctgggcgcac	agagccgagac	180
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<210> 7822
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 7822						
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<210> 7823
 <211> 143
 <212> DNA
 <213> Homo sapiens

<400> 7823						
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<211> 170
<212> DNA
<213> Homo sapiens

<400> 7824
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tgggcgacag agcgagactc cgtctcaaaa aaaaaaaaaa aaaaagactg 170

<210> 7825
<211> 171
<212> DNA
<213> Homo sapiens

<400> 7825
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<210> 7826
<211> 125
<212> DNA
<213> Homo sapiens

<400> 7826
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<210> 7827
<211> 196
<212> DNA
<213> Homo sapiens

<220>
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<222> (106)
<223> n equals a,t,g, or c

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aaaaaaaaaa gaaata 196

<210> 7828
<211> 183
<212> DNA
<213> Homo sapiens

<400> 7828
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aaa 183

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<211> 319
<212> DNA
<213> Homo sapiens

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<210> 7830
<211> 311
<212> DNA
<213> Homo sapiens

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<210> 7831
<211> 175
<212> DNA
<213> Homo sapiens

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<210> 7832
<211> 196
<212> DNA
<213> Homo sapiens

<400> 7832
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aaaaaaaaa aatgac 196

<210> 7833
<211> 159
<212> DNA
<213> Homo sapiens

<400> 7833
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gtctcaaaaa aaaaaaaaaa gaaaagaaaa agaaaaata 159

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<210> 7838

<211> 6141

<212> DNA

<213> Homo sapiens

<400> 7838

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<211> 207

<212> DNA

<213> Homo sapiens

<400> 7839

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<211> 230

<212> DNA

<213> Homo sapiens

<400> 7840

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<211> 288

<212> DNA

<213> Homo sapiens

<400> 7841

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<210> 7842

<211> 189

<212> DNA

<213> Homo sapiens

<400> 7842

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ggcaggagaa	tggcgtgaac	ccgggaggcg	gagcttgacg	tgagccgaga	tcccgccact	120
gcactccagc	ctggggcgaca	gagcgagact	ccgtctcaaa	aaaaaaaaaa	aaaaaaaaaa	180
gaaatgaca						189

<210> 7843
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 7843						
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aaaaaaaaaa	aaaaaaaaaa	aaaaaga				207

<210> 7844
 <211> 150
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n equals a,t,g, or c

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 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 7845						
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 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (98)
 <223> n equals a,t,g, or c

<400> 7846						
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<212> DNA
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<212> DNA
<213> Homo sapiens

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<210> 7853
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<212> DNA
<213> Homo sapiens

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<211> 129
<212> DNA
<213> Homo sapiens

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<210> 7856

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<211> 169
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<210> 7857
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 <213> Homo sapiens

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<211> 177

<212> DNA

<213> Homo sapiens

<400> 7858

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<211> 292

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<212> DNA
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<210> 7862
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<212> DNA
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<212> DNA
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<212> DNA
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<212> DNA
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cacactctga	gtcacagcta	ctcgggaggc	tgaggcagga	gaattgtctag	aaccaggag	3840
gcggagggtg	tggtgagccg	agattgtacc	attgcactcc	agcctggggc	acagagcaag	3900
tctcc						3905

<210> 7868

<211> 153

<212> DNA

<213> Homo sapiens

<400> 7868

cccagctact	cgggaggctg	aggcaggaga	atggcgtgaa	ccggggaggc	ggagcttgca	60
gtgagccgag	atcgcgccac	tgactccag	cctgggcgac	agagccgagac	tccgtctcaa	120
aaaaaaaaaa	aaaaaaaaa	aagcagtggt	gcc			153

<210> 7869

<211> 269

<212> DNA

<213> Homo sapiens

<400> 7869

tcccagcact	ttgggaggcc	gagacggg	gatcacaagg	tcaggaaatt	gagaccatcc	60
tggtcaaac	ggcgaaaccc	tgtctctact	aaaaatat	taaaattagc	cgggcggtgt	120
ggcgggcgcc	tgtagtccca	gctactcggg	aggtcgaggc	aggagaatgg	cgtgaacccg	180
ggaggcgag	cttgcaagtga	gccgagattg	cgccactgca	ctccagcctg	ggcgacagag	240
cgagaccacg	tctcaaaaaa	aaaaaaaaa				269

<210> 7870

<211> 202

<212> DNA

<213> Homo sapiens

<400> 7870

tactaaaaat	acaaaaaatt	agccgggctg	agtggcgggc	gcctgtagtc	ccagctactc	60
gggagcctta	ggcaggagaa	tgccgtgaac	ccgggaggcg	gagcttgcag	tgagccgaga	120
tccgcacct	gcactccagg	ctgggcgaca	gagcgagact	ccatctcaaa	aaaaaaaaa	180
aaaaaaaaaa	aaaaaaaaa	aa				202

<210> 7871

<211> 203

<212> DNA

<213> Homo sapiens

<400> 7871

ccatctctac	taaaaataca	aaaaattagc	cgggcatggt	ggcgggcgcc	tgtagtccca	60
gctactcggg	aggctgaggg	aggagaatgg	cgtgaacccg	ggaggcggag	cttgacgtga	120
gccgagactc	cgccactgca	ctccagcctg	ggcgacagag	cgagactccg	tctcaaaaaa	180
aaaaaaaaag	aaagacatgt	aaa				203

<210> 7872

<211> 166

<212> DNA

<213> Homo sapiens

<400> 7872

ctggggcgtg	tggcgggtgc	ctgtagtccc	agctacttgg	gaggctgagg	caggagaatg	60
gcgtgaaccc	gggaggcgga	gcttgacgtg	agccgagatc	aggccactgc	actcagccct	120
gggcaacaga	gtgagactcc	gtctcaaaaa	aaaaaaaaaa	aagata		166

<210> 7873

<211> 295

<212> DNA

<213> Homo sapiens

<400> 7873

ccgggcgtgg	tggctcacgc	ctgtaatccc	agcactttgg	gaggccgagg	cgggaggatc	60
acgaggtcag	gagatcaaga	ccatcctggc	taccaaggcg	aaactccttc	tctactaaaa	120
atacaaaaaa	ttagccgggg	gtggtggcgg	gcgcctgtag	tcccagctac	tcggggaggct	180
gaggcggggg	aatggcgtga	acccaggagg	tggagcttgc	agtgagccga	gatcatgccca	240
ctgcaactca	gcctggggcaa	cagagcaaga	ctccgtctca	aaaaaaaaaa	gaaaaa	295

<210> 7874

<211> 280

<212> DNA

<213> Homo sapiens

<400> 7874

cggatcacga	ggtcaggaga	tcgagaccat	cctggctaaa	acgggtgaaac	cccgtctcta	60
ctaaaaatac	aaaaaattag	ccgggcgtag	tggcgggcgc	ctgtagtccc	agctacttgg	120
gaggctgagg	caggagaatg	gcgtgaaccc	gggaggcgga	gcttgacgtg	agccgagatc	180
cgcacactgc	actccagctt	gggcgacaga	gcgagactcc	gtctcaaaaa	aaaaaaaaata	240
aataaaaaaa	aaaaaaaaaa	aaaaaaaaag	aaaagaaaaa			280

<210> 7875

<211> 190

<212> DNA

<213> Homo sapiens

<400> 7875

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aatggcgtga	accggggagg	cggagcttgc	agtgagccga	gatcccccca	ctgcaactca	120
gcctgggcga	cagagcgaga	ctccgtctca	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	180
aaaaaaagaa						190

<210> 7876

<211> 2364

<212> DNA

<213> Homo sapiens

<400> 7876

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attagccggg	cgtggttagcg	ggcgctctgta	gtcccagcta	ctcgggaggc	tgaggcaggga	180
gaatggccgtg	aaacctgggg	gcgaggcgttg	cagtgagccc	agatcgccgc	actgcactcc	240
agcctggggc	acagagcgag	actccgtctc	aaaaaaaaaa	aaaaaaaaaa	aaagaaataa	300
agtataaag	aaacatgagtg	aatgcctgtc	atcttttttt	ttttttcttc	aaaaacaggg	360
tctcactttg	tcaccaggcg	tgacgtgcag	tgccgcgaatc	atggctcact	gcacctctta	420
gcacctgggc	tcaagagctc	aagaggtcct	accacactcag	ctccccaagg	agctgggact	480
acaggttgat	gcaccacac	ctaagggtaa	attttttgtg	ttttatagag	agcagtttta	540
ccatgttgcc	caggctgttc	tgaacctcct	gggcttaagg	gatcgacca	cctccatctc	600
ccaaggcact	gggattatag	gcacgagcca	ccgcgcctgg	cctatcatca	ttttatcatt	660
tattcatcta	tgcataaata	ttctttgagt	gcctaattgc	taagcaatgg	gacaagcact	720
ggcaagtcac	actggcaaaa	tatcatcccg	ccactcaagg	agcttatagg	tcagctgggg	780
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taagtattag	gaaccagag	gaattcattc	atttattcgt	ttagtaataa	tttatgtgcc	900
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agatgagtgt	gggagacaga	cattaatgaa	atgctcttac	agacctatca	ttacctattg	1020
tcatatgagt	tatgaaagaa	aaataacagg	ccgggcatga	tggtctcagc	ctgtaatccc	1080
agcaactttg	gagaccaagg	caggtggatc	acttgaggtc	aggagttcaa	gaccagcctg	1140
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tggtggccag	cagctgtaat	cccgactact	cgggaggctg	aggcaggaaa	ctcgcttgaa	1260
cctggggagc	agaggttgca	ctgagctgag	attgcaccac	tgactccag	cctgggtgac	1320
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gaagggaaga	aatagagtg	aagagggggg	cctagtgtag	tctaaagata	ctcaggagaa	1440
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ggggctactat	catatcaggg	attcggggaga	aaaaaaaaga	gagagagaga	ggggaagagt	1560
gctgtggacc	cattgagctc	cagcccgact	ccaactctgt	gggtcaggaa	agactttcca	1620
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ggaaggaaag	cattccagag	cagcagatag	cttgtgcaaa	ggcacacagg	cagctggggtg	1740
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cccaggaatt	caagacaaac	ctggatgaca	tagtgaaaac	ctgtctctac	caaaaaaaa	1860
aaaaaataaa	ttgaaaaaaa	aaaaagaagct	gggcatgggt	gcgtgcacct	gtgtgtccag	1920
ctacccagga	aactgaggtg	ggaggggaagt	cgaggctgta	gtgaacctgt	gtggcaccat	1980
tgcattccag	cccggtgtac	agagcaaggc	cctgtacaaa	aaaaaaaaaa	aaaaaagcat	2040
ggaggccaac	gaacatagtg	gatttgaagg	aaaaacaagt	ggttcagacc	aggttcagtg	2100
gctcatgcct	gtaatcccag	cactttggga	ggccgaggcg	ggcagatcac	aggttcaggga	2160
gatcaagacc	atcctcgcta	acacagtgaa	accocgtctc	tactaaaaat	acaaaaaat	2220
tagccaggcg	tggtgtgtcg	tgccgtgagt	cccgactact	caagagggct	aggcaggaga	2280
atggcgtaaa	cctgggagcg	agagcttgca	gtgagcggag	atcatgccac	tgacactccag	2340
cctgggcgac	agagcaagac	tcca				2364

<210> 7877

<211> 304

<212> DNA

<213> Homo sapiens

<400> 7877

aaaaggccgg	gtgcggtggc	tcacacctgt	aatcccagca	ctttgggagg	cagaggcagg	60
cggtatcatga	ggtcaggaga	tcagagccat	cctggctaac	acgggtgaac	cccgtctcca	120
ctaaaaatec	aaaaaattag	ccgggcacgg	tgccgggctg	ctgtagctcc	agctactagg	180
gaggctgagg	caggagaatg	gtgtgaaccc	aggaggcgga	gcttgacagt	agccaagatc	240
gcgccactgc	agtcagacct	gggcgaaaga	gcagactccg	tctcaaaaaa	aaaaaaaaaa	300
aaaa						304

<210> 7878

<211> 261

<212> DNA
 <213> Homo sapiens
 <400> 7878
 ggatagtgag gtcaggagat cgagaccatc ctggctaaca cgggtgaaacc cctctctctac 60
 taaaaatata aaaaattagc cgggcgtggt agcgggcgcc tgtagtccca gctactcggg 120
 aggctgagga aggagaatgg cgtgaaccgc ggaggcggag cttgcagtga gccgagatcg 180
 cgccactgca ctccagcctg ggcgacagag cgagactccg tctcaaaaaa aaaaaaaaaa 240
 aaaaaagaaa aagggataaa a 261

<210> 7879
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 7879
 gaaatagggt cgggcgcggg tggctcacgc ctgtaatccc agcactttgg gaggccgagg 60
 cgggcggatc acgaggtcag gagatcaaga ccatcccgcc taaaaacggt gaaaccccg 120
 ctctactaaa aatacaaaaa attagctggg cgtagtggcg ggcgcctgtg gtcccagcta 180
 cttgggagcg tgaggcagga gaattggcgtg aaccggggag gcggagcttg cagttagccg 240
 agatcccgcc actgcactcc agcctgggcg acagagcgag actccatctc aaaaaaaaaa 300
 aaaaagaag gaataag 318

<210> 7880
 <211> 61
 <212> DNA
 <213> Homo sapiens

<400> 7880
 atgccactgc actccagcct gggcgacaga gtgagactcc atctcaaaaa aaaaaaaaaa 60
 a 61

<210> 7881
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 7881
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 atcggtatcac gaggtcagga gatcgagacg atcccggtta aaacgggtgaa acccgtctc 120
 tactaaaaat acaaaaaatt agccgggcgt agtggcgggc gcctgtagt cagactactt 180
 gggaggctga gccaggagaa tggcgtgaac cggggaggcg gagcttgtag tgagccgaga 240
 tccgcacct gcactccag ctgggggaca gagcgagact ccgtctcaaa aaaaaaaaaa 300
 aaaaagactg tc 312

<210> 7882
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 7882
 gcctgtagt ccagctactc gggaggctga gccaggagaa tggcatgaac ccaggaggcg 60
 gagcttgtag tgagcagaga tcgcgccact gcactccagc ctgggcaaca gagcgagact 120
 ctgtctcaga aaaaaaaga aaaaagaaaa aagaaaaa 158

<210> 7883

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<211> 298
<212> DNA
<213> Homo sapiens

<400> 7883
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ggatcacgag gtccaggagat cgagaccatc ctggcctaaca cggtgaaacc ccgtctctac    120
taaaaaataca aaaaattagc cgggcgtgtt ggcggggcgcc tgtagtccca gctactcggg    180
aggctgaggc aggagaatgg cgtgaacccg ggaggcggag ctgcagcga gcggaatcg    240
caccactaca ctccaggctg ggggacagaa cgagacccca tctcaaaaaa aaaaagaa    298

<210> 7884
<211> 303
<212> DNA
<213> Homo sapiens

<400> 7884
aaggaggccg ggcgcggttg ctcacgcctg taatcccagc actttgggag gccaggagg    60
gcggatcacg aggtcaggag atcgagacca tcttggttaa cacagtgaac ccctgtctct    120
actaaaaata caaaaaacta gctgggcatg gtggcggatg cctgtagccc cagctacttg    180
ggaggctgag gcaggagaat ggcgtgaacc cgggaggcgg aggttgagct gagcggagat    240
tgcccactcg cactccagcc tgggggacag agccagactc cgtctaaaaa aaaaaaaaaa    300
aaa                                                303

<210> 7885
<211> 191
<212> DNA
<213> Homo sapiens

<400> 7885
aaaaaacaaa aaattagccg ggcgtagtgg cgggcgcctg tagtcccagc tacttgggag    60
gctgaggcag gagaatggcg tgaacccggg aggcggagct tgcagtgagc cgagatcccc    120
ccactgcact ccagcctggg cgacagagcg agactccgtc tcaaaaaaaaa aaaaaaaaaa    180
aaaaaaaaagt a                                                191

<210> 7886
<211> 193
<212> DNA
<213> Homo sapiens

<400> 7886
cgggcgtggt agcgggccc tgtagtccca gctactcggg aggcgtgagg aggagaatgg    60
cgtgaacccg ggaggcggag cttgcagtga gccagatcg cgccactgca ctccagcctg    120
ggcgacagag cgagactcgc tctcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaattgac    180
tcctaatcaa aaa                                                193

<210> 7887
<211> 195
<212> DNA
<213> Homo sapiens

<400> 7887
aaatacaaaa attagccggg cgtagtgtgt ggcgcctgta gtcccagcta ctccggaggc    60
tgaggcagga gaatggcgtg aacccgggag gcggagcttg cagtgaagcg agatccccgc    120
actgcactcc agcctgggag acagagcgag actccgtctc aaaaaaaaaa aaaaaaaaaa    180
taattctaac aaaca                                                195

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<210> 7888
<211> 281
<212> DNA
<213> Homo sapiens

<400> 7888
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acacgggggaa accccgtctc tactaaaaat acaaaaaaat agccggggcg ggtggcgggc 120
gcctgtggtc ccagctactc gggagggtgg ggcaggagaa tggcggaac ccgggaggcg 180
gagcttgcag tgagccgaga tcggccacc gcactccagc ctggggcgaca gagcgagact 240
ccgtctcaaa aaaaaaaaaa agaaaaagaa aaaggacaac a 281

<210> 7889
<211> 297
<212> DNA
<213> Homo sapiens

<400> 7889
gtgcggtggc tcacgcctgt aatcccagca ctttgggagg ccaagccggg cggatcatga 60
ggtcaggaga tcgagaccat cctggctaac acggtgaaac cctgtctcta ctaaaaatac 120
aaaaaattag ccgggcgtgg tggcgggtgc ctgtagtccc agctactcgg gaggccgagg 180
caggagaatg gtgtgaaccc gggagggtgga gcttgcagtg agccgagatc gggccactgc 240
actccagcct gggcgacaga gcaagactct gtctcaaaaa aaaaaagaa atggaaa 297

<210> 7890
<211> 182
<212> DNA
<213> Homo sapiens

<400> 7890
tactaaaaat acaaaaagtt agccggggcg agtggcgggc gcctgtagtc ccagctactc 60
gggaggctga ggcaggagaa tggcgtgaac ccgggaggcg gagcttgcag tgagccgaaa 120
tcggcccat gcactccagc ctgggtgaca gagcgagact ccgtctcaaa aaaaaaaaaa 180
aa 182

<210> 7891
<211> 323
<212> DNA
<213> Homo sapiens

<400> 7891
aaaaaactat ttttcggcgg ggggggggtg atcacgcctg taatccagc actttgggag 60
gccgaggcgg gcagatcacg aggtcaggag atcgagacca tcttggttaa caggtgaaa 120
cccgtctct actaaaaaaa caaaaaatta gccgggcgtg gttagcggag cctgtagtcc 180
cagctactcg ggaggctgag gcaggagaat ggcgtgaacc cgggaggcgg agcttcagat 240
gagccgagat cgcgcactg cactccagcc tgggcgacag agccgagact cgtctcaaaa 300
aaaaaaaaa aaaaaaacia aaa 323

<210> 7892
<211> 309
<212> DNA
<213> Homo sapiens

<400> 7892
cctgtaatcc cagcactttg ggaggccgag gcggggcgat cacaaggtca ggagatcgag 60
accatcccgg ctaaaacggt gaaacccgct ctctactaaa aatacaaaaa attagccggg 120

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cgtagtgggc	ggcgccctgta	gtcccagcta	cttgggaggc	tgaggcagga	gaatggcggt	180
aacccgggag	gctgagcttg	cagtgagccg	agatcccgcc	actgcactcc	agcctgggag	240
acagagcgag	actccgtctc	aaaaaataaa	aataaaaaata	aaaaataata	ataaaaaata	300
aaaaataaaa						309

<210> 7893
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 7893						
ggacggggcg	ggtgggtcac	gcctgtaatc	ccagcacttt	gggaggccga	ggcgggcgga	60
tcacgaggtc	aggagatcga	gaccatcccc	gctaaaaacg	tgaaaccccg	tctctactaa	120
aaatacaaaa	aattagccgg	gcgtagtggt	ggcgccctgt	agtcacagct	acttggggag	180
ctgaggcagg	agaatggcgt	gaacccggga	ggcgagggtt	gcagtgagcc	gagatcccg	240
cactgcactc	cagcctgggc	gacagagcga	gactccgtct	caaaaaaaa	aaaaaaaaaa	300
aaaaaaaaat						310

<210> 7894
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 7894						
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gtggggcgat	cacgaggtca	ggagatcgag	accatcctgg	ctaacacggt	gaaaccccg	120
ctctgctaaa	aatacaaaaa	attagccggg	catggtggcg	ggcgccctgt	gtccagagta	180
ctcgggagcg	tgaggcagga	gaatggcggt	aaccacggag	gcgagacttt	cagttagcgc	240
agatcgcgcc	actgcactcc	agcctggggc	acagagctaa	actccgtctc	aaaaaacaaa	300
acaaaacaaa	a					311

<210> 7895
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 7895						
gaaaaattta	gccggggcgt	gtggcgggcg	catgtagtcc	cggtactctg	ggaggctgag	60
gcaggagaat	ggcgtgaacc	cgggaggcgg	agcttcgagt	gagccagagt	ggcgccactg	120
cactccagcc	tgggcgacag	agcgagactc	cgtctcaaaa	aaaaaaaaaa	aaataataat	180
gaa						183

<210> 7896
 <211> 303
 <212> DNA
 <213> Homo sapiens

<400> 7896						
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tgggcgagtc	acgaggtcag	gagatcgaaa	ccatccctgg	taacacggtg	aaaccccgct	120
tctactaaaa	atacaaaaaa	attagccagg	cgtgggtggc	ggcacctgta	gccccagcta	180
ctcgggagcg	tgaggcagga	gaatggcatg	aaccacggag	gcagagcttg	cagttagcgc	240
agatcccgcc	actgcactcc	agcctgggtg	atagagcaag	actccgtctc	aaaaaaaaaa	300
aga						303

<210> 7897

<211> 292
<212> DNA
<213> Homo sapiens

<400> 7897
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gagatcgaga ccattcctggc taacacgggtg aaaccttgtc tctactaaaa atacaaaaat 120
tagcggcgga tagtgccggg cgctctgtagt cctagctact cgaggaggctg aggcaggaga 180
atggcggtgaa cccgggagggt ggagcttgca gtgagctgag attgcccac tgcactccag 240
cctgggtgac agagtggagac tccgtctcaa aaaaaaaaaa aaaattaaaa aa 292

<210> 7898
<211> 136
<212> DNA
<213> Homo sapiens

<400> 7898
ggcaggagaa tggcgtgaac cgggaggcgg gagcttgacg tgagccgaga ttgtgccact 60
gcactccagc ctggggcgaca gagtggagact ccgtctcaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaa 136

<210> 7899
<211> 273
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> n equals a,t,g, or c

<400> 7899
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acacgggtgaa accccgtctc tactaaaaat acaaaaaaatt tagccggggc tgggtggcggg 120
cgctctgtagt cccagctact cgggaggcgtg aggcaggaga atggcggtgag cccgggaggc 180
ggagcttgca gtgagcggag atcgccgac cgcacttcag cctggggcga agagcaagac 240
tcttgtctca aaaaaaaaaa aaaaaaagtgg cag 273

<210> 7900
<211> 279
<212> DNA
<213> Homo sapiens

<400> 7900
cacttttggga ggccgaggcgg ggcggatcac gaggtcagga gatcgagacc attctggcta 60
acacgggtgaa accccgtctc tactaaaaat acaaaaaaatt agccggggcgt ggttagcgggc 120
gcctgttagtc ccagctactc gggaggcgtga ggcaggagaa tggcgtgaac cccgggaggc 180
gagcttgacg tgagccgaga tcgcccact gcactccagc ctggggcgaca gagcgagact 240
ccgtctcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaga 279

<210> 7901
<211> 243
<212> DNA
<213> Homo sapiens

<400> 7901
tcacgaggtc aggagatcga gaccatcctg gctaacacgg tgaaccccg tctctactaa 60

aaatccaaaa	aattagccgg	gcgtgggtggt	ggcgccctgt	agtcccagct	actcggggagg	120
ctaaggcaga	agaatggcag	gaacctggga	ggcggagctt	gcagtgaagc	gagatcacgc	180
cactgcactc	cagcctgggc	gacagagcga	gactccgtct	caaaaaaaaa	aaaaaaaaaa	240
att						243

<210> 7902
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 7902						
gcgcggtggc	tcaagcctgt	aatcccagca	ctttgggaaa	ccgaggcggg	tggatcacaa	60
ggtcaggaga	tcgagaccat	cctggctaac	acggtgaaac	cccactctca	ctaaaaaata	120
caaaaaaact	tagccgggtg	tggtggcggg	gcgcctgtagt	cccagctact	caggaggcgtg	180
aagcaggaga	atggcgtgaa	cccgggaggc	ggagcttgca	gtgagccgag	atcgcgccac	240
tgcactccag	cctggggggac	agagcgagac	tccatctcaa	aaaaaaaaaa	aaaaaa	296

<210> 7903
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 7903						
ctactaaaaa	tacaaaaaat	tagccgggag	tggtagcggg	gcgcctgtagt	cccagctact	60
cggggaggctg	aggcaggaga	atggcgtgaa	cccggggaggc	ggagcttgca	gtgagccgag	120
atcgcgccac	tgcactccag	cctgagtgac	agagcgagac	tccgtctcaa	aaaaaaaaaa	180
aaaaaaaaag	gttaatatgt	aa				202

<210> 7904
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 7904						
aatacaaaaa	attagccggg	cgtagtggcg	ggcgccctgt	gtcccagcta	cttggggaggc	60
tgaggcagga	gaatggcgtg	aacccgggag	gcagagcttg	cagtgaagcg	agatccccgc	120
actgcactcc	agcctggggc	acagagcgag	actccgtctc	aaaaaaaaaa	aaaaaaaaag	180
aagtagacaa	aa					192

<210> 7905
 <211> 320
 <212> DNA
 <213> Homo sapiens

<400> 7905						
atggtggctc	acgcctgtaa	tcccagcact	ttggggaggcc	gaggcggggc	gatcacgagg	60
tcaggagatt	gagaccatcc	tggctaaccac	ggtgaaaccc	cgtctctact	aaaaatacaa	120
aaaaatttagc	cgggcgtggt	ggcgggcacc	tgtagtccca	gctactcagg	aggctgagac	180
aggagaatgg	cgtgaacccg	ggaggcagag	cttgcatgta	gccgagattg	caccactgca	240
ctccagcctg	ggcaacagag	caagactccg	tctcaaaaaa	aaaaaagaaa	aaagaaaaga	300
aaagaaaaga	aaacgaagtc					320

<210> 7906
 <211> 311
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (301)
 <223> n equals a,t,g, or c

<400> 7906
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 gaggggggtg gatcacgagg tcaggagatc gagaccatcc tggctaacac ggtgaaaccc 120
 cgtctctact aaaaatacaaa aaaaattagc caggcatggt ggtgggcacc tgtggtccca 180
 gctacttggg aggcctgaggc aggagaatgg cgtgaacccg ggaggcggag cttgcagtga 240
 gctgagatgg cgccactgca ctccagcctg ggcaacagag cgagactccg tctcaaaaaa 300
 naaaaaaaa a 311

<210> 7907
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 7907
 caggccgggc gcggtgggtc acgctgttaa tccagcact ttggaggaggcc gaggggggagc 60
 gatcacgagg tcaggagatc gagaccatcc tggctaacac ggtgaaaccc cgtctctact 120
 aaaaatacaaa aaaattagcc gggcgtgggt gttggggcct gtaatcccg ctactcggga 180
 ggctgaggca ggagaatggc atgaacccaa gaggcggagc ttgcagtga cccggatagc 240
 gccactgcag tccagcttgg gcaaaagagt gagactccgt ctcaaaaaaa aaaaaaagt 300
 gaataaac 308

<210> 7908
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 7908
 gggcgtgggt gcggggcgct gtagtcccg ctactcggga ggctgaggca ggagaatggc 60
 gtgaacccgg gagggcgagc ttgcagtga ctgagatcac cccactgcac tccagcctgg 120
 gcgacagagt gagactctgt ctcaaaaaaa aaa 153

<210> 7909
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 7909
 gctcaagcct gtaatcccg cactttggga ggccgagcg ggccgatcac gaggtcagga 60
 gatcgagacc atcctgggta acacgggtgaa accccatctc tactaaaaat acaaaaaatt 120
 agccggggcgt ggtagcgggc gcctgtatgc ccagctactc gggaggctga ggcaggagaa 180
 ttggcgtgaac ccggaggcg gagcttgagc tgagccgaga tcgcgccact gcactccagc 240
 ctgggcgaca gagcgagact ccgtctcaaa aaaaaaaaaa aaaaaaaataa 300

<210> 7910
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 7910
 ggtctgccag gcgcagtggt tcacgactgt aatcccagca ctttgggagg ccgaggcggg 60
 cggatcacga ggtcaggaga tcgagaccat ctgggctaac acggtgaaac ccggtctcta 120

ctaaaaaatc	aaaaagttag	ccgggcgtgg	tggcggggcg	ctgtagtccc	atctactcgg	180
gaggctgagg	caggagaatg	gcgtgaaccc	gggaagtggg	gcttgacgta	agccgagatc	240
gtgcacctgc	actccagtct	gggcgacaga	gcgagactcc	gtctcagaaa	ataaacaac	300
aaaaaatc						308

<210> 7911
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 7911						
ggcgccctgta	gtcccagcta	ctcgggaggc	tgaggcagga	gaatggcggtg	aacccggggg	60
gccgagctac	cagtgagctg	agatcgccgc	actgcactcc	agcctggggc	acagagcgag	120
actctgtctc	aaaaaaaaa	aagaattggc				150

<210> 7912
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 7912						
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tcccagctac	tcgggaggct	gaggcaggag	aatggcggtg	accaggagg	cggtctgcag	120
tgagccgaga	tcgcgccact	gcactccagc	ctgggtgaca	gagcgagact	ctgtctcaaa	180
aaaaaaaaa	aagcaatt					198

<210> 7913
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 7913						
atttggggagg	ccgaggcggg	cggatcacaa	ggtcaggaga	tcgagaccat	cctggctaac	60
acgggtgaac	cccgtctcta	ctaaaaatc	aaaaaaatta	cccggggcgtg	gtggtggggc	120
ccgttggtcc	cagctactcg	ggaggctgag	gcaggagaat	ggtgtgaacc	cgggggggcg	180
agcttgccagt	gagccgagat	cgcaccactg	cactccagcc	tgggcgcagag	agcgagactc	240
catctcaaaa	aaaaagaaat	aagaaa				266

<210> 7914
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 7914						
cgccggggcg	cggtggctga	cgctgtaat	cccagcactt	tgggaggccg	aggcggggcg	60
atcacgagtg	caggagatcg	agaccatcct	ggctaaccag	gtgaaacccc	gtctctacta	120
aaaatacaaa	aaattagccg	ggcgtggtag	cgggcgccctg	tagtcccagc	tactcggggg	180
gctgagcgag	gagaatggcg	tgaacccggg	aggcggagct	ttcagtgagc	cgagatcgcg	240
ccactgcact	ccagcctggg	cgacagagcg	agactccgtc	tcaaaaaaaaa	aaaaaaaaaaa	300
aaaaaaaaa	aaaaaaaaa	tc				322

<210> 7915
 <211> 250
 <212> DNA
 <213> Homo sapiens

0950033.091201

<400> 7915
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 tctactaaaa atacaaaaaa ttagccaggc ttgggtggcgg gcgcctgtag tccagctac 120
 tcgggaggct gaggcaggag aatggcgtga acccgggagg cggagcttgc agtgagctga 180
 gatcgacta tgcactcca gcctgggcga cagagcgtga ctccgtctca aaaaaaagca 240
 attagaaact 250

<210> 7916
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 7916
 cccagctact caggaggctg aggcaggaga atggcgtgaa cccgggaggc ggagcttgca 60
 gtgagccgag atcccgccac tgcactccag cctggggcgac agagcgagac tccgtctcaa 120
 aaaaaaaaaa aaaaaaaatg ga 142

<210> 7917
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 7917
 caaaagttag cggggcgtag tggcgggcgc ctgtggtccc agctactcgg gaggtcagg 60
 caggagaaag gcgtgaaccc gggaggcggg gcttgccagt agccgagatc gcgcactatc 120
 actccagcct ggggtgacaga gcgagactcc gtctcaaaaa aaaaaaaaaa aaaaaaagat 180
 t 181

<210> 7918
 <211> 122
 <212> DNA
 <213> Homo sapiens

<400> 7918
 cgggaggctg aggcaggaga atggcgtgaa cccaggaggc ggagcttgca gtgagccgag 60
 atcgcgccac tgcctctccag cctggggcgac agagcaagac tctgtctcaa aaaaaaaaaa 120
 ga 122

<210> 7919
 <211> 123
 <212> DNA
 <213> Homo sapiens

<400> 7919
 aggcaggaga atggcgtgaa cccgggaggc ggagcttgca gtgagccgag atcccgccac 60
 tgcactccag cctggggcgac agagcgagct ccgtctcaaa aaaaaaaaaa aaaaatgctg 120
 tta 123

<210> 7920
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 7920
 tgggaggcgg aggcagggtg atcacaggtg caggagatcg agaccatcct ggctaaccacg 60
 gtgaaacccc gtcttacta aaaatacaaa aaattagccg ggcgtggtgg cgggcgcctg 120

tagtcccagc	tactcgggag	actgaggcag	gagaatggcg	tgaacccggg	aggcggagct	180
tgacgtgagc	cgagatcgcg	ccctctgcact	ccagcctggg	cgacagagcg	agactccgcc	240
tcgaaaaaac	aaaaacaaaa	acacaaagtc				270

<210> 7921
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 7921		
catcctggct	aacacgggtga	aaccccgctct ccaactaaaaa tacaataaat tagccgggcg 60
tggtggcggg	cgctcttagt	cccagccact cgggaggctg aggcaggaga atggcgtgga 120
cccgggaggc	ggagcttgca	gtgagcggag atcgcgccac tgcactccag cctggggcgac 180
tgagcaggac	tccgtctcaa	aaaaaaaaaa aagaaaagaa aaaaagaaag aaagaaa 237

<210> 7922
 <211> 45
 <212> DNA
 <213> Homo sapiens

<400> 7922		
ccagcctggg	ggacagagcg	agactccgtc tcaaaaaaaaa aaaaa 45

<210> 7923
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 7923		
cccgccctct	actaaaaata	caaaaaatta gccgggctgt gtggcgggcg cctgtgggtcc 60
cggtactctg	ggaggctgag	gcaggagaat ggcgtgaacc cgggaggcgg agcttgagc 120
gagccgaggt	cgcgccactg	cactccagcc tgggcgacag agcgagactc cgtctcaaaa 180
aaaaaaaaaa	aaaaaaaaaa	aagattacac aata 214

<210> 7924
 <211> 297
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (29)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (94)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (261)

<223> n equals a,t,g, or c

<400> 7924
 aaagtgtggt gggcgcgatg cntcacgcnt gtaatcccag cactttggga ggccgaggcg 60
 ggtggatcac gagggtcagg gatcgagacc atcntggcta gcacgggtgaa acccgtgttc 120
 tactaaaaat acaaaagatt agccgggctg ggtggcgggc gctctgtagcc ccagctactc 180
 gggaggctga ggcaggagaa tggcgtgaac ccgggaggcg gagcttgcag tgagccgaga 240
 tcgcgcact gcactccagc ntgggcgaca gagcgagact ccgtctcaaa aaagaaa 297

<210> 7925

<211> 177

<212> DNA

<213> Homo sapiens

<400> 7925
 ccgggacagg tggcgggcgc ctgtagtccc agctactcag gaggctgagg caggagaatg 60
 gcatgaaccc gggaggcgga gcttgcagtg agccgagatc gcgccactgc actccaccct 120
 gggcgacaga gcgagactcc gcctcaaaaa aaaaaaaaaa aaaaaaaaaa gaagggtc 177

<210> 7926

<211> 318

<212> DNA

<213> Homo sapiens

<400> 7926
 tgactttggc cgggcgcggt ggctcacgcc tgtaatccca gcactttggg agggccgagac 60
 gggcggatca cgagggtcagg agatcgagac catactggct aacacggcga aaccccgctc 120
 ctactaaaaa taccaaaaat tagctggcgc tgggtggcggc cgccgtgtagt cctagtact 180
 taggaggctg aggcaggaga atggagtga cccggggaggc ggagcttgca gtgagccaag 240
 atcgcgccac tgcactccag cctgggcgac agagcgagac tccgtctcaa aaaaaaaaaa 300
 aaaaaaaaaa aaagaaca 318

<210> 7927

<211> 154

<212> DNA

<213> Homo sapiens

<400> 7927
 ttgagtccca gctactcggg aggctgaggc aggagaatgg cgtgaaccca ggaggccgag 60
 gttgcagtga gctgagatag caccactgca ctccagcctg ggcgacagag cgagactccg 120
 tctcaaaaaa aaaaaaaaaa aaaaaaaggg ccgc 154

<210> 7928

<211> 177

<212> DNA

<213> Homo sapiens

<400> 7928
 caccaaacac tcgggcatgg tggcgcgcg cgtgtgtccc agctacacgg caggctgagg 60
 caggagaatg gcgtgaaccc gggaggcgga gcttgcagtg agttgagatc gcgccactgc 120
 actccagcct gggcgacaga gcgaaactcc gtctcaaaaa aaaaaaaaaa agacaaa 177

<210> 7929

<211> 187

<212> DNA

<213> Homo sapiens

<400> 7929
 aaaatacaaa aaatagccgg gcgtagtggc gggcgccctgt agtcccagct actcaggagg 60
 ctgaggcagg agaatggcgt gaacccggga ggcggagcctt gcagtgcagc gagatcgccg 120
 cactgcactc cagcctgggc gacagagcca gactccgttc cccagccacc aaaaaaaaaa 180
 aacaatt 187

<210> 7930
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 7930
 acgagatcag gagatcgaga ccatcctggc taacacgggtg aaaccctgtc tctactaaaa 60
 atacataaaa ttgcccgggc gtgttggcgg gcgcctgtag tcccagctac tcggggaggct 120
 gaggcaggag aatggcgtga acccgggagg tggagcttgc agtgagctga gattgcgccca 180
 ctgcactcca gcctgggcga cagagcgaga ctctgtctca aaaaaaaaaa attaaattaa 240
 att 243

<210> 7931
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 7931
 gccggggcgg gtggctcacc cctgtaatcc cagcactttg ggaggccgag gcggggcgat 60
 catgaggta caagagatcgag accatcctgg ctaaacacggt gaaaccccat ctctactaaa 120
 aatacaaaaa attagccagg cgtggtggcg ggcgcctgta gtcccagcta ctccgggaggc 180
 tgaggcagga gaatggcgtg aaacctgggag gcggagcctg cagtgcagcc agatcgcgcc 240
 actgaactcc agcctgggcg acagagcgag actccgtctc aaaaagaaaa taaaaaagaa 300
 aaatttc 307

<210> 7932
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 7932
 ggcgctgcc cctgagtccca gctactcggg aggcctgaggc aggagaatgg cgtgaacccg 60
 ggagggcggag ctgacagtga gccgagatcg tgccactgca ctccagcctg ggtgacagag 120
 caagactccg tctcaaaaaa aaaaaacaaa aaaaacatgt aggcag 166

<210> 7933
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 7933
 cctcagctac tcgggaggct gaggcaggag aatggcgtga acccgggggg tggagcttgc 60
 agtgagccaa gatcgcgcca ctgcactcca gcctgggtga cagagcgaga ctccgtctca 120
 aaaaaaaaaa aaaaaaaact ta 142

<210> 7934
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 7934
 tggggccggg cgcagtggt cagcctgta atcccagcac tttgggaggg cgagggcggg 60
 ggatcacgag gtcaggagat cgagaccgtc ctggctaaca cggtgaaacc ctgtctctac 120
 taataataca aaaaattagc cgggtgtggt ggtgggcacc tgtagtccca gctactcaga 180
 gagcctgagg caggagaatg gcgtgaaccc gggaggcgga gcttgcaagt agccgagatc 240
 gcgccaccgc actccagcct gggcgacaga gtgagaatcc gtctcaaaaa aaaaaaaaaa 300
 aagact 306

<210> 7935

<211> 228

<212> DNA

<213> Homo sapiens

<400> 7935
 tcgaggtcag gagattgaga ccatcctggc taacatgggt aaaccccatc tctactaaaa 60
 atacaaaaaa aattagccgg gcgtgggtggc gggagcctgt agtcccagct actcggggagg 120
 ttgaggcagg agaattggct gaacctggga ggcggagcct gtagtgagcc aagatcatgc 180
 cactgcactc cagcctgggc gacagagcga gactccgtct caaaaaaa 228

<210> 7936

<211> 131

<212> DNA

<213> Homo sapiens

<400> 7936
 tttttttttt gagacagagt ctgcctctgt cggccaggct ggagtgtagt ggcgcgatct 60
 tggctcactg caagctccgc ctcccgggtt cacaccatcc tcttgctcca gcctcccacg 120
 tagctgggac t 131

<210> 7937

<211> 214

<212> DNA

<213> Homo sapiens

<400> 7937
 ttctgtttgt tagttttct tetaacagtc agggccctct tctgcaggtc tgcctggagtt 60
 ttgtgggggt ccatcccaga cctgtttgc ctgggtatca ccagcagagg ctgcagaaca 120
 gcaaagattg ctgcctgctc ctccctctgg aagctctgct ccagaggggc acccagcaga 180
 tgccagccag agctctcctg tatgaggtgt ctgt 214

<210> 7938

<211> 268

<212> DNA

<213> Homo sapiens

<400> 7938
 cggccgaatt ctgccctccg ctaacagact atagctttgt ggaaatgggc gagtggcgtg 60
 ccctgttgag cctcagggcc gcattctgtaa aatgggcata actgtcatgc ctgtctttaa 120
 gaacagcctt gggggtaaat gagtggaaact catggaaaga tctcagccca caaccttcca 180
 cagaacagcc gcttctcaca cagtaagtag caggagtga gaggtgcag gcattgaatcc 240
 agccagactg cctgggttca agtccag 268

<210> 7939

<211> 906

<212> DNA

03950083.091201

<213> Homo sapiens

<400> 7939

ccccagagtg	tgatgttcc	cttccgtgt	ccatgtgttc	tcattgttca	attccaccct	60
atgagtgaga	atatacagtg	tctgttttt	tggtcttgcc	atagtattact	gagaatgatg	120
atttcccaact	tcattccatgt	ccctacaaag	gacatgaact	catcattttt	tatggctgca	180
tagtattcta	tggtgtatat	gtgccacatt	ttcttaatcc	agtcatttat	tggtggacat	240
ttagggttgt	tccaagtctt	tgcaatagtg	aatagtgccg	caataaacat	acgtgtgcac	300
gtgtccctatt	agcagcatga	tttatagtc	tttgggtata	tagcaaaagga	tggtctgggtc	360
aaatcggtatt	tcagtttcta	gatccctgag	gaatcgccac	accgacttcc	acaatgggtg	420
aactagttta	cagtcaccac	aacagtgtaa	aagtgttcc	atttctccac	atcctctcca	480
gcacctgttg	tttccgtact	ttttaatgat	tgccattcta	actgggttga	gttgggtatc	540
cattgtgctt	ttgatttgca	tttctctgat	agccagtgat	gggtgagcat	ttttcaatgt	600
ttttttggct	gcataaatgt	cttcttttga	gaaatgtctg	ttcatgtcct	ttgccactt	660
tttgatgggg	ttgtttgggt	ttttcttgta	aattgttttg	agttcattgt	agattctgca	720
tgtagacctt	ttgtcagatg	agtaggttgc	gaaaattttc	tccatttttg	taggttgcc	780
attcaactct	atggtagttt	cttttgctgt	gcagaagctc	tttagtttaa	ttagatccca	840
tttgcaaat	ttggcttttg	ttggcattgc	ttttgatgtt	ttagacgtga	agtccttgcc	900
catgcc						906

<210> 7940

<211> 368

<212> DNA

<213> Homo sapiens

<400> 7940

ggcatgggca	aggacttcat	gtctaaaacg	ccaaaagcaa	tggaacaaaa	agacaaaatt	60
gacaaatggg	atctaatata	actaaagagc	ttctgcacag	caaaagagtc	taccatcaga	120
gtgaacaggc	aacctatata	atgggagaaa	aattttgcaa	tctactcatc	tgacaaaagg	180
ctaataatcca	gaattctacag	tgaactcaaa	caaatattaca	agaaaaaac	aaacaccccc	240
atcaaaaagt	gggcaaaagt	tatgaacaga	cacttctcaa	agaaagacat	ttatgcagct	300
aaaagacaca	tgaaaaaagt	cccatcatca	ctggccatca	gagaaatgca	aataaaaacc	360
acaatgag						368

<210> 7941

<211> 131

<212> DNA

<213> Homo sapiens

<400> 7941

tttttttttt	gagatggagt	ctcgetctgt	cgcccaggct	ggagtgcagt	ggcgggatct	60
cggtcactgt	caagctccgc	ctcccgggtt	cagccatttc	tctgtcctca	gcctcccaag	120
tagctgggac	t					131

<210> 7942

<211> 572

<212> DNA

<213> Homo sapiens

<400> 7942

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tggtcttttt	actggcagcc	ccttctctca	ggacttaact	tggtcaagct	gactccctagc	120
acatccaaga	atgcaattaa	ctgataagat	actgtggcaa	gctatatccg	cagttccccag	180
gaattcgtcc	gattgataaa	cgccccaaagc	cccgagatcta	tcaccttgta	atagttcttaa	240
agccccctga	cctgggaact	tttactttcc	tgtaaccatt	tgctctttta	actttttgac	300
tactttactt	cgttaaaatt	gttttaacta	gacccccctc	ccctctctca	aaacaaagga	360
taaaagttaa	tcaagccctc	tccttggggc	cgagagaatt	ttgagcatta	gcctgtctcta	420
ggtgcggcgc	taataaaaaga	ctcttaattt	gtctcaaaagt	gtggcggttt	cttaactcgc	480

ttgggtacaa	caaggccaag	gtggaagat	cacttgaagc	taggagtttg	agcaacctgt	540
gcaacctagt	gagaccccca	ctcttttaac	ag			572

<210> 7943
 <211> 2925
 <212> DNA
 <213> Homo sapiens

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<212> DNA

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<400> 8006

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<211> 275

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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 <212> DNA
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<400> 8039

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<212> DNA
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